



THE UNITED STATES PATENT AND TRADEMARK OFFICE

TRADEMARK  
Inventors

Serial No.

**Filing Date**

**Examiner**

## Group Art Unit

**Title : A METHOD FOR IN VITRO  
MOLECULAR EVOLUTION OF  
PROTEIN FUNCTION**

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Our File: 0149-FCCC-97-12US

**AMENDMENT AND REQUEST FOR RECONSIDERATION**  
**UNDER 37 C.F.R. §1.111**

In response to the Official Action dated June 29, 2001, please amend the above-identified application as follows:

**In the claims:**

1. A method for generating a polynucleotide sequence or population of sequences from parent single stranded polynucleotide sequences encoding one or more protein motifs, comprising the steps of:

a) providing single stranded DNA constituting plus and minus strands of parent polynucleotide sequences;

b) digesting the single-stranded polynucleotide sequences with an exonuclease to generate populations of single stranded fragments:

c) contacting said fragments generated from the plus strands with fragments generated from the minus strands;